

(FILE 'HOME' ENTERED AT 16:22:59 ON 17 JAN 2002)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 16:23:11 ON 17 JAN 2002
SET PLU OFF

L1 6 S 23S AND 5S AND STAPHYLO?
L2 6 DUP REM L1 (0 DUPLICATES REMOVED)
L3 928 S 23S AND 5S
L4 4 S L3 AND AUREUS
L5 0 S L4 NOT L1

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|--------------------|------------------|
| 1 | 157 | 23s! same 5s! | USPAT; US-PGPUB | 2002/01/17 16:31 |
| 2 | 2 | (23s! same 5s!) same (aureus or staph or staphylococcus) | USPAT; US-PGPUB | 2002/01/17 16:35 |
| 3 | 66 | (23s! same 5s!) and (aureus or staph or staphylococcus) | USPAT; US-PGPUB | 2002/01/17 16:31 |
| 4 | 2 | (23s! same 5s!) same (aureus or staph or staphylococcus) | USPAT; US-PGPUB | 2002/01/17 16:35 |
| 5 | 67 | (23s! same 5s!) and (aureus or staph or staphylococcus) | USPAT; US-PGPUB | 2002/01/17 16:35 |

NCBI Nucleotide

| PubMed | Nucleotide | Protein | Genome | Structure | PopSet | Taxonomy | OMIM | Books |
|---------|------------|---------|--------|------------------|---------------|----------|-----------|---------|
| Search | Name | For | | | | Go | Clear | |
| | | | | Limits | Preview/Index | History | Clipboard | Details |
| Display | default | Save | Text | Add to Clipboard | | | | |

[] 1: L36472. Staphylococcus au...[gi:567883]

Related Sequences, Protein, Taxonomy

LOCUS STA5SRR 13214 bp DNA linear BCT 11-NOV-1994
DEFINITION Staphylococcus aureus lysyl-tRNA synthetase gene, complete cds, transfer RNA (tRNA) genes, 5S ribosomal RNA (5S rRNA) gene, 16S ribosomal RNA (16S rRNA) gene, 23S ribosomal RNA (23S rrRNA) gene.
ACCESSION L36472
VERSION L36472.1 GI:567883
KEYWORDS 16S ribosomal RNA; 23S ribosomal RNA; 5S ribosomal RNA; lysyl-tRNA synthetase; transfer RNA-Ala; transfer RNA-Arg; transfer RNA-Gly; transfer RNA-Ile; transfer RNA-Leu; transfer RNA-Lys; transfer RNA-Pro; transfer RNA-Thr; transfer RNA-Val.
SOURCE Staphylococcus aureus (clone library: ATCC 12600) DNA.
ORGANISM Staphylococcus aureus
 Bacteria; Firmicutes; Bacillus/Clostridium group;
Bacillus/Staphylococcus group; *Staphylococcus*.
REFERENCE 1 (bases 1 to 13214)
AUTHORS Green,C.J. and Vold,B.S.
TITLE An unusual rRNA-tRNA gene organization in *Staphylococcus aureus*
JOURNAL Unpublished (1994)
FEATURES Location/Qualifiers
source 1..13214
 /organism="Staphylococcus aureus"
 /db_xref="taxon:1280"
 /clone_lib="ATCC 12600"
CDS 176..1663
 /codon_start=1
 /transl_table=11
 /product="lysyl-tRNA synthetase"
 /protein_id="AAAS53114_1"
 /db_xref="GI:567884"
 /translation="MSEEMNDQMLVRQRQLQELYD LGIDPFGSKFDRSGLSSDLKEEW
 DQYSKELVEKEADSHVAIAGRLMT'KRKGKAGFAHVQDLAGOIQIYV RKDQVGDDF
 DLWKNADLGDIVGVEGMFKTNTGELSVKAKKFTLLTKSLRPLPKFHQLQDIEQRYR
 QRYLDLTNESTDTRFIRNSKIIQEMERNYLNNGFLEVETPMMHQIAGGAARPFVTH
 HNALDTLYMRIAIELHLKRLIVGGLERKVYEIGRVFRNEGVSTRHNPETMIELYEA
 ADYHDIMDLTESMVRIANEVLGSAKVOQYNGETIDLESAWTRLHIVDAVEATGVDFY
 EVKSDEERKALAKEHGlEIKDTMKYGHILNEFEQKVETLIQPTFIYQHPTEISPLA
 KRNQDPRTFDRFELFIVGREHANKFTELNDPIDIQKGRFPEAQLVKAQGNDEAHMEDM
 DYIALEYGMPPTGGLGIGIDRLVMLLTDSPSIRDVLFPYMRQK"
rRNA 2221..2335
 /gene="5S rRNA"
 /product="5S ribosomal RNA"
gene 2221..8317
 /gene="5S rRNA"
tRNA 2348..2423
 /gene="tRNA-Val"
 /note="codon recognized: GUA"
 /product="tRNA-Val"
 /anticodon=(pos:2381..2383,aa:Val)
gene 2348..2423
 /gene="tRNA-Val"
tRNA 2440..2515
 /gene="tRNA-Thr"

```
/note="codon recognized: ACA"
/product="tRNA-Thr"
/anticodon=(pos:2473..2475,aa:Thr)
gene
2440..2515
/gene="tRNA-Thr"
2522..2594
/gene="tRNA-Lys"
/product="tRNA-Lys"
gene
2522..2594
/gene="tRNA-Lys"
tRNA
2627..2701
/gene="tRNA-Gly"
/note="codon recognized: GGC"
/product="tRNA-Gly"
/anticodon=(pos:2659..2661,aa:Gly)
gene
2627..2701
/gene="tRNA-Gly"
tRNA
2709..2797
/gene="tRNA-Leu"
/note="codon recognized: UUA"
/product="tRNA-Leu"
/anticodon=(pos:2743..2745,aa:Leu)
gene
2709..2797
/gene="tRNA-Leu"
tRNA
2803..2879
/gene="tRNA-Arg"
/note="codon recognized: CGU"
/product="tRNA-Arg"
/anticodon=(pos:2837..2839,aa:Arg)
gene
2803..2879
/gene="tRNA-Arg"
tRNA
2900..2973
/gene="tRNA-Pro"
/product="tRNA-Pro"
gene
2900..2973
/gene="tRNA-Pro"
tRNA
2997..3072
/gene="tRNA-Ala"
gene
2997..3072
/gene="tRNA-Ala"
rRNA
3194..4748
/gene="5S rRNA"
/product="16S ribosomal RNA"
gene
3194..10082
/gene="16S rRNA"
tRNA
4841..4917
/gene="tRNA-Ile"
/note="codon recognized: AUC"
/product="tRNA-Ile"
/anticodon=(pos:4875..4877,aa:Ile)
gene
4841..4917
/gene="tRNA-Ile"
rRNA
5208..8130
/gene="5S rRNA"
/product="23S ribosomal RNA"
gene
5208..13214
/gene="23S rRNA"
rRNA
8203..8317
/gene="5S rRNA"
/product="5S ribosomal RNA"
8528..10082
/gene="16S rRNA"
/product="16S ribosomal RNA"
rRNA
10381..13214
/gene="23S rRNA"
```


11521 tagctcaact gtcgagttgc actgcgcggaa aatgttaccggggctaaaca tattaccgaa
11581 gctgtggatt gtcccttggaa caatggtagg agagcggttca aaggcggttg aagcatgtac
11641 gtaaggacat gtggagcgct tagaagttag aatggcggtg tgagtagcga aagacgggtg
11701 agaatccccgt ccacccgttgc actaaagggtt ccacggaaag gctcgccgc tctgggttag
11761 tcgggtcttaa agtgcggccc gacaggcgta ggcgtatggat aacagggttgc tatttcgtta
11821 ccacctataa tcgtttaat cgatgggggg acgcgttggg ataggcgaag cgtgcgatttgc
11881 gattgcacgt ctaaaggatgatggcgttgc ttggcaat ccggtaactcg ttaaggctgt
11941 gctgtgtgg ggagaagaca ttgtgttcc gagtcgttgc ttccacactg ccgagaaaag
12001 cctctagata gaaaatagggttgcgcgttcc caaacggaca caggtagtca agatggaaat
12061 tctaagggttgc gcgagcgacat tctcggttgc gaaatcgccaaatggcccttgc
12121 gagaagggggttgcgtttagg gttaaacccggc aagaaaggccy cagtgtttgc gcccacggca
12181 ctgtttatcca aaaaacacagggttctgttgc accgttaatggt qatgtatagg ggctqacgc
12241 tgccgggtgc tggaaaggtaa agagggttgc ttgttgcgttgc cgaagcttgc aatcgaaaggcc
12301 ccagtaaacgcg cggccgttgc ctataacccgtt ctaagggttgc cgaatttccgt tgcgggttgc
12361 gtcccgacccgcac gcaacggaaatggcgttgc ctaaaggatgttgcgttgc
12421 aatcatatgcgttgcgttgcgggttgcgttgcgttgcgttgc
12481 ttatctgttagt cctgtatattgcgttgcgggttgcgttgcgttgc
12541 aaacgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
12601 ttctaaacccgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
12661 cggtcgccttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
12721 attcatatgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
12781 cgaatggccgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
12841 aacgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
12901 ggcacccgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
12961 ttccgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
13021 atccgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
13081 gacataatccgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
13141 cgggtataatggcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
13201 tcgggttataa gatc

//

Revised: October 24, 2001.

[Disclaimer](#) | [Write to the Help Desk](#)
NCBI | NLM | NIH